



THE LEADER AND CREATOR OF FLIP CHIP DISPLAY PANEL

# 54" MEGA Series

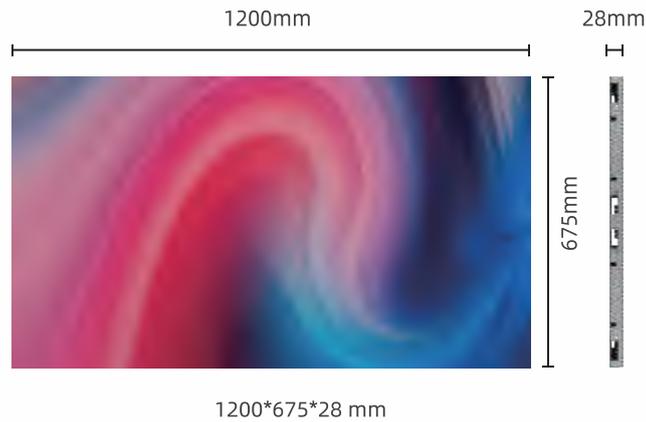
Large size Full Flip Chip COB display

## PRODUCT OVERVIEW

- Full available pixel pitch 0.6/0.7/0.9/1.2/1.5/1.8.
- 97% DCI-P3 color gamut optional.
- HDR function options for HDR10&HLG.
- 3000nits high brightness options for semi outdoor application.
- 1200\*675\*28mm large size panel design, less splicing gap, better flatness and reduce installation time.
- Super slim cabinet with thickness only 28mm, create an ultra-thin display experience.
- Full Flip Chip common cathode design, reduce power consumption, promote environmental protection.



## Product Size



## Configured with the Most Advanced Drive IC(Optional)

- ▲ Common cathode PWM constant current driver IC, energy saving.

- ▲ Large channel , integrated column and vertical control IC, less IC, less heat dissipation.

- ▲ High gray level 16bit, work with control system can be 22bit+ color processing depth.



## Full Flip Chip Common Cathode Cob Panel

- ▲ Full flip chip, no welding pad block, high luminous efficiency, and wider view angle.

- ▲ No welding wire, reduce the failure rate of the lamp bead.

- ▲ common cathode design, reduce power consumption, green and environmental protection.





## Hdr Support

## Wider View Angle

Flip chip COB makes wider view angel 170°/170°.



## Super High Contrast Ratio

15,000:1 ultra high contrast ratio make the effective more vivid.

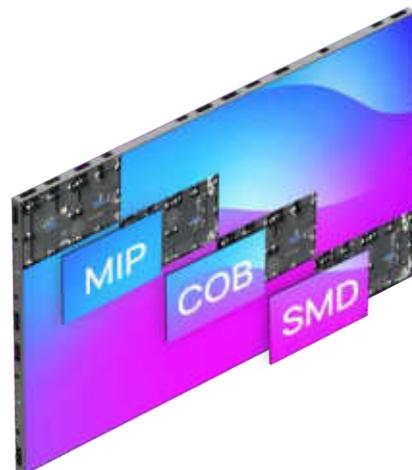


LP DISPLAY

OTHERS

## Platform-based Design

Cabinet can support multiple modules .



## Large Size Cabinet Design

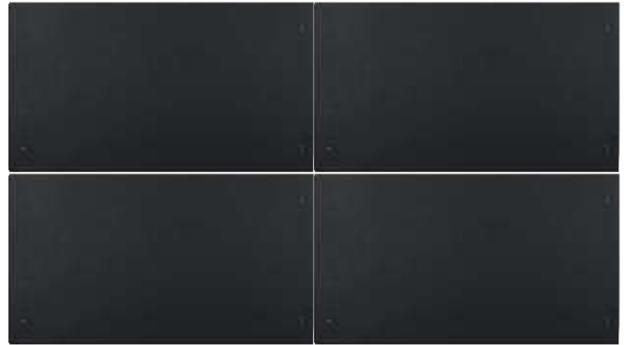


1200\*675mm\*1



Large-size cabinet design

VS



600\*337.5mm\*4



Reduce splicing gaps



Reduce installation time



Save labor cost

## Cob Package Protection



Anti-collision



Anti-oxidation



Moisture-resistant



Easy clean



Anti-static

## Light Weight Design

light weight design,save your labor cost during installation.



## Universal Bracket With Lcd



Cabinet install can directly use the 54" LCD bracket ,no need new structure, reduce cost.

# Semi Outdoor Apply Optional

3000nits high brightness version can be used for semi outdoor application like: shopwindow, platform, road indicator.



Market



Boardroom



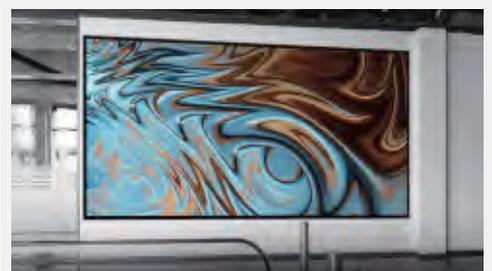
Drawing Room



Big Data Screen



Exhibition Hall



Museum

# 54" MEGA Series Specification

Categories	Model	P06	P07	P09	P12	P15	P18
Physical Parameters	Pixel Pitch(mm)	0.625	0.78125	0.9375	1.25	1.5625	1.875
	Pixel Configuration	COB					
	Pixel Density (dots/m <sup>2</sup> )	2,560,000	1,638,400	1,137,7780	640,000	409,600	284,444
	Cabinet Size (W×H×D)	1200 × 675 × 28mm					
	Cabinet Resolution (W×H)	1920×1080	1536×864	1280 × 720	960 × 540	768×432	640×360
	Cabinet Material	Die-cast aluminum					
	Module Size (W×H)	150 × 168.75 mm		300 × 168.75 mm			
	Weight	18.6 kgs/cabinet; 23kgs/m <sup>2</sup>					
Optical Parameters	Viewing Angle	170° (V)   170° (H)					
	Surface Treatment	Black matte					
	Brightness (cd/m <sup>2</sup> )	800-1000					
	Brightness Uniformity	≥98%					
	Contrast	15,000 : 1					
	Refresh Rate	3840-7680Hz					
	Gray Scale	14~16 bit					
	Color Calibration	Pixel to Pixel					
	Color Temperature	2000~10000K					
	Color Gamut	≥97% DCI-P3 optional					
	HDR	HLG / HDR10/HDR 10+					
Electrical Parameters	A.C. Inputs	100 ~ 240 V					
	Frame	50 / 60 hz					
	Power Consumption (Max.)	300-450 W/m <sup>2</sup>					
	Power Consumption (Avg.)	100-150 W/m <sup>2</sup>					
	Redundancy	Optional(receiving card)					
Application	Serviceability	Front					
	Operation Temperature	-10°C ~ 40°C					
	Operation Humidity	10% ~ 90%RH					
	Ingress Protection	Ip54 front/IP20 rear					
	Exterior/Interior	Interior					
	Lifespan	100,000 hrs					
Others	Certificates	CE, FCC, CB, ETL					
	Packing	Wooden box					

Categories	Model	P009	P012	P015	P018	P025	P037	
Physical Parameters	Pixel Pitch(mm)	0.9375	1.25	1.5625	1.875	2.5	3.75	
	Pixel Configuration	MIP						
	Pixel Density (dots/m <sup>2</sup> )	1,137,7780	640,000	409,600	284,444	160,000	71,111	
	Cabinet Size (W×H×D)	1200 × 675 × 28mm						
	Cabinet Resolution (W×H)	1280 × 720	960 × 540	768 × 432	640 × 360	480 × 270	320 × 180	
	Cabinet Material	Die-cast aluminum						
	Module Size (W×H)	300 × 168.75 mm			300 × 168.75 mm		300 × 337.5 mm	300 × 168.75 mm
	Weight	18.6 kgs/cabinet; 23kgs/m <sup>2</sup>						
Optical Parameters	Viewing Angle	160° (V)   160° (H)						
	Surface Treatment	Black matte						
	Brightness (cd/m <sup>2</sup> )	800-1000						
	Brightness Uniformity	≥ 98%						
	Contrast	20,000 : 1						
	Refresh Rate	3840-7680Hz						
	Gray Scale	14~ 16 bit						
	Color Calibration	Pixel to Pixel						
	Color Temperature	2000~10000K						
	Color Gamut	≥ 97% DCI-P3 optional						
	HDR	HLG / HDR I / HDR 10+						
Electrical Parameters	A.C. Inputs	100 ~ 240 V						
	Frame	50 / 60 hz						
	Power Consumption (Max.)	450W/m <sup>2</sup>	450W/m <sup>2</sup>	400W/m <sup>2</sup>	400W/m <sup>2</sup>	400W/m <sup>2</sup>	400W/m <sup>2</sup>	
	Power Consumption (Avg.)	150W/m <sup>2</sup>	150W/m <sup>2</sup>	1330W/m <sup>2</sup>	1330W/m <sup>2</sup>	130W/m <sup>2</sup>	130W/m <sup>2</sup>	
	Redundancy	Optional(receiving card)						
Application	Serviceability	Front						
	Operation Temperature	-10°C ~ 40°C						
	Operation Humidity	10% ~ 90%RH						
	Ingress Protection	Ip54 front/IP20 rear						
	Exterior/Interior	Interior						
	Lifespan	100,000 hrs						
Others	Certificates	CE, FCC, CB , ETL						
	Packing	Wooden box						

Categories	Model	P009	P012	P015	P018	P025
Physical Parameters	Pixel Pitch(mm)	0.9375	1.25	1.5625	1.875	2.5
	Pixel Configuration	SMD				
	Pixel Density (dots/m <sup>2</sup> )	1,137,778	640,000	409,600	284,444	160,000
	Cabinet Size (W×H×D)	1200 × 675 × 28mm				
	Cabinet Resolution (W×H)	1280 x 720	960 x 540	768× 432	640× 360	480 x 270
	Cabinet Material	Die-cast aluminum				
	Module Size (W×H)	300 × 168.75 mm				300 × 337.5 mm
	Weight	18.6 kgs/cabinet; 23kgs/m <sup>2</sup>				
Optical Parameters	Viewing Angle	160° (V)   160° (H)				
	Brightness (cd/m <sup>2</sup> )	600-800	600-800	600-800	600-800	600-800
	Brightness Uniformity	≥ 98%				
	Contrast	7000 : 1				
	Refresh Rate	3840Hz				
	Gray Scale	14 ~ 16 bit				
	Color Calibration	Pixel to Pixel				
	Color Temperature	2000~10000K				
	Color Gamut	≥ 97% DCI-P3 optional				
	HDR	HLG / HDR10/HDR 10+				
Electrical Parameters	A.C. Inputs	100 ~ 240 V				
	Frame	50 / 60 hz				
	Power Consumption (Max.)	≤500 W/m <sup>2</sup>	≤500 W/m <sup>2</sup>	≤500 W/m <sup>2</sup>	≤400 W/m <sup>2</sup>	≤400 W/m <sup>2</sup>
	Power Consumption (Avg.)	≤170 W/m <sup>2</sup>	≤170 W/m <sup>2</sup>	≤170 W/m <sup>2</sup>	≤130 W/m <sup>2</sup>	≤130 W/m <sup>2</sup>
	Redundancy	Optional(receiving card)				
Application	Serviceability	Front				
	Operation Temperature	-10°C ~ 40°C				
	Operation Humidity	10% ~ 90%RH				
	Ingress Protection	Ip40 front/IP20 rear				
	Exterior/Interior	Interior				
	Lifespan	100,000 hrs				
Others	Certificates	CE, FCC, CB, ETL				
	Packing	Wooden box				

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